

(43) International Publication Date 7 April 2005 (07.04.2005)

PCT

(10) International Publication Number WO 2005/031603 A1

(51) International Patent Classification7:

G06F 17/30

(21) International Application Number:

PCT/GB2004/004040

(22) International Filing Date:

22 September 2004 (22.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0322653.7

26 September 2003 (26.09.2003) GB

0322654.5 26 September 2003 (26.09.2003)

- (71) Applicant (for all designated States except US): BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY [GB/GB]; 81 Newgate Street, London, Greater London EC1A 7AJ (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): CUI, Zhan [CN/GB];

7 Squirrels Field, Mile End, Colchester, Essex CO4 5YA (GB).

- (74) Agent: LIDBETTER, Timothy, Guy, Edwin; BT Group Legal, intellectual Property Department, PP: C5A, BT Centre, 81 Newgate Street, London, Greater London EC1A 7AJ (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PROCESSING ELECTRONIC DATA

| 🧞 Mapping Editor | | | Jo x |
|--|--|--|--|
| File | 2 4300 | | the said |
| ▲ III-@ Unspe | | া প্রভার | TOP (C)-E! |
| | | | Country name A- |
| E- (€) Prod. | | — | Mandanass order O |
| | nspsc-code | 1 | Name O |
| in - ⊘ 0 ⊺ | elephorny-equipment | | Mritmum order (3: |
| \$ 60 | craestic-Appliances | | Texwere commodity code (|
| EF-600 | rugo-and-Phermacoutical | | Catalogue ID () |
| F 60 A | pperel-end-Luggaga-and-Personal-Care | to the state of th | Country @ |
| B-Ø₽ | Ublished-Products | - inch | Link of Measure |
| i e⊩-625π | ools-and-General-Machinery | | / Text do-B |
| . 19-45)F | uniture-end-Furnishings | i i i i i i i i i i i i i i i i i i i | Catalogue 👸 🖨 |
| Accessories | | | Products and Services (2) |
| E-@ Instruments | | | Short description () |
| # - C Motorials | | and the state of t | Cong description (Q- |
| Hardware | | monariale | Buyer name (C) |
| F. 1 1 10-0 | Communications end Computer Egytpment and | | Crests data () |
| | (3-6) Mobile-product | | Contact name (C)— |
| 1 1 | E- @ Mable-phone | · · · · · · · · · · · · · · · · · · · | Price O- |
| A C Mable phone product | | | List price (3- |
| | - O has-url | 4/4/4/ | Tax code O- |
| | - O has volverating | | Description (2)— |
| | - O has talkime | | - D C |
| | has-service-proyider | 20 | Date O |
| — A has-reight — A has-rina — A has-rina — A has-rina — A has-rina | | | Code (G |
| | | 1. | Product @ |
| | | | Service 👝 di |
| | | The said of the said | Ourrency (5)-(3) |
| | | - Carriers | Name (5)-(8) |
| | - A Property | - Taranta | - Fel |
| — ⊕-•0 ¤ | Sectronic-Components | rate was | |
| | thespicals | | UNSPSC 👸 👙 |
| F 9 | Translations and Jewelry and Genstone | in the same of the | to the same of the |
| From | To Pre-condition | ns Post-conditions | Type Sittype: |
| Size' | Link of Measure | | |
| has-price | Price | | |
| Product | Products and Services | | |
| nan-size | Jr2 of Measure | | |
| has overal rating | Code | | |
| | | 7886 . J. 1 | |
| | A CONTRACTOR OF THE CONTRACTOR | | |
| | | | |

(57) Abstract: A tool providing a graphical user interface with underlying intelligence to assist a user in creating mappings between ontologies or between ontologies and database schema. For each individual mapping which a user makes the tool checks that the proposed mapping is consistent with all other proposed mappings made by the user thus far and alerts the user if an inconsistency is detected.



BEST AVAILABLE COPY

WO 2005/031603 A1



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

with international search report